

ATOVS Modification and Updates Log

Date	hardware change	software change	coefficient update	other action	description	person
07/30/03				x	The FPDT disk to which N17 limb AMSU-A observations were being ftp'd crashed on 7/25/03. Repeated ftp failures from the Cray to this machine resulted in a backlog of limb observation files on the Cray. To avoid filling disk space and risking N17 system failure, limb correction was disabled via toggling the LIMBCORR.AMSUA .GETOBS flag to off (0) in /prd3/files/a1/cdb.a1. Additionally, existing NOAA-17 AMSU-A limb obs files were deleted.	Rich Kelley
07/28/03			x		Updated coefficients for NOAA-15 (A1), NOAA-16 (A2) and NOAA-17 (A7).	Tianxu Yu
07/21/03			x		Updated coefficients for NOAA-15 (A1), NOAA-16 (A2) and NOAA-17 (A7).	Tianxu Yu
7/17/03			x		Updated coefficients for NOAA-15 (a3) and NOAA-16 (a6)	Rich Kelley
7/16/03			x		Updated coefficients for NOAA-15 (A1), NOAA-16 (A2) and NOAA-17 (A7).	Rich Kelley
7/11/03			x		Updated coefficients for NOAA-15 (a3)	Rich Kelley
7/10/03			x		Updated coefficients for NOAA-16 (a6)	Rich Kelley

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07/08/03			x		Updated coefficients for NOAA-15 (A1), NOAA-16 (A2) and NOAA-17 (A7).	Rich Kelley
07/03/03				x	Changed the orbital templates for N15 and 17 to avoid shipping bad RODF's to CEMSCS.	Rich Kelley
07/02/03				x	GSFC reported problem with N16 empty ATNC product dataset from 7/1/03. R. Kelley and F. Tilley investigated and found empty RODF was being sent from Cray to CEMSCS and processed on CEMSCS. The orbital template for N16 was modified to avoid shipping bad RODF's to CEMSCS. Following monitoring of how this change performs, equivalent changes will be made to N15 and N17 scripts.	Rich Kelley
07/02/03			x		Updated coefficients for NOAA-15 (A1,A3), NOAA-16 (A2,A6) and NOAA-17 (A7).	Bruce Whistler
06/30/03				x	modified PRD.ATOV.LIB.JCL(EDR2CRAY) to push edr files to MetOp7	Rich Kelley
06/26/03		x			Changed NOAA 17 Orbital template to use a new information file (ukmocoef_N17) and load module (ukmo.x) in the UKMO processing step.	Gayle Surrette
06/25/03			x		Updated coefficients for NOAA-15 (A1,A3), NOAA-16 (A2,A6) and NOAA-17 (A7).	Bruce Whistler

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06/24/03				x	Updated cloud detection thresholds for all system cdb's. The change was made to 'CLOUDCLR' 'WINDOCHN' 'TS8DFLM3'. NOAA 15 (A1, A3) changed from 6.5 to 7.5. NOAA 16 (A2, A6) changed from 5.25 to 4.75. NOAA 17 (A7) changed from 3.5 to 3.0.	Gayle Surrette
06/17/03		x			Changed CRONFILE for production NOAA 16 to redirect error output for mdb weekly update to the mdb.weekly.log	Gayle Surrette
06/17/03			x		Updated coefficients for NOAA 15 (A1, A3), NOAA 16 (A2, A6) and NOAA 17 (A7).	Gayle Surrette
06/11/03				x	Updated N17 cloud detection thresholds. Changed 'CLOUDCLR' 'WINDOCHN' 'TS8DFLM2' from 3.75 to 3.0 'CLOUDCLR' 'NEWAVHRR' 'TSTLIM6C'(2) from -2.0 to -0.5	Rich Kelley
06/09/03			x		Updated coefficients for NOAA 15 (A1, A3), NOAA 16 (A2, A6) and NOAA 17 (A7).	Gayle Surrette
06/09/03				x	Threshold change made to the coefficient database CLOUDCLR WINDOCHN TROPLATI in NOAA 15 (prd & test), NOAA 16 (prd & test) and NOAA 17 (prd).	Gayle Surrette

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06/05/03				x	Threshold changes were made to the coefficient database for NOAA 15 (prd & test) to CLOUDCLR WINDOCHN TS8DFLM3. In NOAA 16 (prd & test) changes were made to CLOUDCLR NEWAVHRR TSTLIM6C(2). In NOAA 17 (prd.) changes were made to 'CLOUDCLR INDOCHN TS8DFLM2, CLOUDCLR WINDOCHN TS8DFLM3, CLOUDCLR WINDOCHN TS8DFLM4, and CLOUDCLR NEWAVHRR TSTLIM6B	Gayle Surrette
06/02/03			x		Updated coefficients for NOAA 15 (A1), NOAA 16 (A2) and NOAA 17 (A7) production systems	Tianxu Yu
05/29/03				x	Threshold changes were made to the coefficient database for NOAA 15 (production) and NOAA 16 (production and parallel test system). The changes were to CLOUDCLR, WINDOCHN, TROPDIFF/TS8FLM2, CLOUDCLR, SURFTEMP, H2ONITE1/WATERLIM for NOAA 15. Changes were made to CLOUDCLR, WINDOCHN, TROPDIFF/TS8FLM2, and WINDOCHN, NEWAVHRR,TSTLIM6C(2) for NOAA 16.	Gayle Surrette
05/28/03			x		Updated coefficients for NOAA 15 (A1), NOAA 16 (A2) and NOAA 17 (A7) production systems	Tianxu Yu
05/20/03			x		Updated coefficients for NOAA 15 (A1), NOAA 16 (A2) and NOAA 17 (A7) production systems as well as NOAA 15 (A3) parallel test system.	Gayle Surrette
05/15/03				x	Updated coefficients for NOAA-15 (A1), NOAA-16 (A2), as well as NOAA-17 (A7) production systems.	Bruce Whistler

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05/13/03		x			Implementation of CCR2080 to add the center and subcenter codes to the SATEM/SARAD formatter. Changes made to GTS module.	Gayle Surrette
05/08/03			x		Updated coefficients for NOAA 15 (A1) and NOAA 16 (A2) production systems as well as NOAA 15 (A3) parallel test system.	Gayle Surrette
05/07/03				x	Installed changes to the N17 system consisting of differing High Terrain channel combinations, adding the pseudo AMSU-A 7 channel as configured by Tony Reale, with modifications made to key files by Rico and successfully tested in static mode by R. Allegrino and M. Ferguson. Work was done under CCR2150 "Implement Fix to Take AMSU-A Ch 7 Out of NOAA-17 ATOVS "	Rich Kelley
04/29/03		x	x	x	Changed line 12 of softflags file. Made changes to the channel combinations eliminating channel 7. Recompiled eigupdl and eigupds. Re-ran the coefficient generation for NOAA 17, ran arbitration statics and updated coefficients.	Gayle Surrette
04/29/03			x		Updated coefficients for production systems A1 (N15), and A2 (N16), as well as parallel systems A3 (N15) and A6(N16).	Bruce Whistler
04/24/03			x		Updated coefficients for parallel test systems A3 (N15) and A6 (N16).	Gayle Surrette

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04/21/03			x		Updated coefficients for production systems NOAA 15 (A1), NOAA 16 (A2) and NOAA-17 (A7).	Tianxu Yu
04/17/03				x	WR1426 was implemented in NOAA 17 (A7) production system. This work request involves a change to the softflags file and a fix to the automatic email monitoring system	Gayle Surrette
04/16/03			x		Updated coefficients for production systems NOAA 15 (A1), NOAA 16 (A2), and NOAA 17 (A7).	Tianxu Yu
04/15/03			x		Updated coefficients for NOAA 15 (A3) and NOAA 16 (A6) parallel test systems.	Gayle Surrette
04/15/03				x	WR1426 was implemented in NOAA 16 (A2) production system. This work request involves a change to the softflags file and a fix to the automatic email monitoring system.	Gayle Surrette
04/10/03				x	WR1426 was implemented in NOAA 15 (A1) production system. This work request involves a change to the softflags file and a fix to the automatic email monitoring system.	Gayle Surrette
04/08/03			x		Updated coefficients for production systems NOAA 15 (A1), NOAA 16 (A2), and NOAA 17 (A7). Also updated coefficients for parallel test systems NOAA 15 (A3) and NOAA 16 (A6). This coefficient update included threshold changes for all systems and channel combination changes for A1 and A3.	Gayle Surrette

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04/01/03		x			Implemented WR1432 to solve an ATOVS formatter problem in no_HIRS mode (PR71)	Rich Kelley
04/01/03			x		Updated coefficients for production systems NOAA 15 (A1), NOAA 16 (A2), and NOAA 17 (A7). Also updated coefficients for parallel test systems NOAA 15 (A3) and NOAA 16 (A6).	Gayle Surrette
03/25/03			x		Updated coefficients for A1 (N15), A2 (N16) and A7 (N17)	Bruce Whistler
03/18/03			x		Updated coefficients for A1 (N15),A2 (N16) and A7 (N17)	Bruce Whistler
03/11/03			x		Updated coefficients for A2 (N16), and A7 (N17) production systems.	Tianxu Yu
03/10/03			x		Updated coefficients for A1 (N15) production systems.	Tianxu Yu
03/06/03		x			Implemented time and distance window changes for ATOVS A1 (N15), A2 (N16), and A7(N17) production	Bruce Whistler
03/05/03		x			Implemented time and distance window changes for ATOVS A3 (N15 parallel) and A6 (N16 parallel)	Bruce Whistler
03/04/03			x		Updated coefficients for A1 (N15), A2 (N16), and A7 (N17) production systems.	Tianxu Yu

Date	hardware change	software change	coefficient update	other action	description	person
02/26/03		x			Implement CCR2093 Create and Display an ATOVS Ozone Flag in production system (NOAA 15, NOAA 16, and NOAA 17 and parallel test system A3 (NOAA 15). This implementation included a change to subroutine retod2.f used in spgdvr.f and to main program odf2edge.	Gayle Surrette
02/25/03			x		Updated coefficients for A1 (N15), A2 (N16), and A7 (N17) production systems. Also updated coefficients for A3 (N15) and A6 (N16) parallel test system.	Gayle Surrette
02/25/03				x	SPGGSTATS file Archive was added to the production CRONFILE for NOAA 17.	Gayle Surrette
02/24/03		x			CM for CCR2093 Display an ATOVS Ozone Flag was implemented in the parallel test system for A6 in preparation to implementation in production on 2/26/03.	Gayle Surrette
02/20/03			x		Updated coefficients for A1 (N15), A2 (N16), and A7 (N17) production systems. Also updated coefficients for A3 (N15) and A6 (N16) parallel test system. (gs)	Gayle Surrette
02/11/03		x			Changed the flag RETRIEV.NOHIR.HIROFF to a value of 0 in cdb.a1 for NOAA-15 production, to enable the use of HIRS.	Bruce Whistler
02/11/03			x		Updated coefficients for NOAA-16 and NOAA-17 production. In addition, updated coefficients for NOAA-15 and NOAA-16 parallel.	Bruce Whistler
02/10/03			x		Updated coefficients for NOAA-15 production	Bruce Whistler

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02/06/03		x			A change that relates to products encoded using WMO FM86 SATEM was made on February 4, 2003 produced incorrect results. We are reverting the changes and the old version of the SATEM/SARAD formatter is now in. It appears to be running okay in all three satellite systems. The first orbits to process after restoring the old version were: NK.D03037.S0542.E0737.B2460506, NL.D03037.S1449.E1634.B1224748 , NM.D03037.S0954.E1149.B0322425	Gayle Surrette
02/04/03			x		Updated NOAA-16 and NOAA-17 production coefficients	Tianxu Yu
2/5/03		x			Replace GTS formatter. New formatter now adds station and substation codes to the output file.	Gayle Surrette
1/30/03			x		Updated NOAA 15 (A3) parallel test system.	Gayle Surrette
1/28/03			x		Updated NOAA 16 (A6) parallel test system.	Gayle Surrette
1/27/03				x	Implemented time and distance windows changes for A2 and A7	Tianxu Yu
1/27/03			x		Updated NOAA-15, NOAA-16 and NOAA-17 production coefficients	Richard Kelley
1/23/03				x	Implemented time and distance windows changes for NOAA 15	Tianxu Yu

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1/22/03				x	Implemented time and distance windows changes for A3 and A6	Bruce Whistler and Tianxu Yu
1/22/03			x		Updated NOAA-15, NOAA-16 and NOAA-17 production coefficients.	Bruce Whistler
1/15/2003		x			NOAA 15 CHECKER script was changed to handle the resetting of hung orbits.	G. Surrette
1/14/03				x	Implemented time and distance window changes for NOAA 17	Bruce Whistler
1/14/03			x		Updated NOAA-15, NOAA-16 and NOAA-17 production coefficients.	Bruce Whistler
1/9/2003				x	updated time and distance windows in a2	Bruce Whistler and Tianxu Yu
1/8/2003				x	updated time and distance windows in a1	Bruce Whistler and Tianxu Yu
1/7/2003			x		Updated coefficients for NOAA 15 (A3 parallel test) and NOAA 16 (A6 parallel test).	Gayle Surrette

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1/7/2003			x		Updated coefficients for NOAA 15 (A1 production), Updated coefficients for NOAA 16 (A2 production), and NOAA 17 (A7 production)	TianXu Yu
12/30/2002			x		Updated coefficients for NOAA 15 (A1 production, A3 test), NOAA 16 (A2 production, A6 test) and NOAA 17 (A7 production)	Bruce Whistler
12/17/2002			x		Updated coefficients for NOAA 15 (A1 production, A3 test), NOAA 16 (A2 production, A6 test) and NOAA 17 (A7 production)	Gayle Surrette
12/11/2002		x			CCR2083 Modify MDB Update to Accomodate Database Conditioning was configured and placed in all the production system (A1, A2, A7)	Gayle Surrette
12/10/2002		x			N15 (A3 test) script a3.RODF-PUSH.template was turned off so that the MetOp SP's version of the N15 system could be tested running formatters on CEMSCS	Gayle Surrette
12/10/2002		x			New time and distance information placed in the NOAA 15 (A1)	Bruce Whistler
12/10/2002			x		Updated coefficients for NOAA 15 (A1 prd and A3 test), NOAA 16 (A2 prd), and NOAA 17 (A7 prd.) The NOAA 16 (A6 test) system is being looked at for a possible problem with limb corrections. Updated coefficients for NOAA 16 (A6 parallel test system).	Gayle Surrette